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Modified PTO/SB/21 (08-00)
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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/626,057
	Filing Date	July 24, 2003
	First Named Inventor	Tom RICHARDSON
	Group Art Unit	2819
	Examiner Name	Not yet assigned
Total Number of Pages in This Submission	Attorney Docket Number	Flarion-9APPCON (33)

ENCLOSURES <i>(check all that apply)</i>		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers <i>(for an Application)</i> <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i> <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Postcard Receipt <input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i> References DA -DC
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Michael P. Straub (Reg. No. 36,941)
Signature	<i>Michael P. Straub</i>
Date	January 18, 2005

CERTIFICATE OF MAILING	
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Typed or printed name	Michael P. Straub
Signature	<i>Michael P. Straub</i>
Date	January 18, 2005

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IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Attorney Docket No.: **Flarion-9APPCON (33)**

Applicants: **Tom RICHARDSON, Vladimir NOVICHKOV**

Serial No.: **10/626,057**

Filing Date: **July 24, 2003**

Title: **METHODS AND APPARATUS FOR DECODING LDPC CODES**

Examiner: **Not yet assigned**

Group Art Unit: **2819**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

S I R:

Information Disclosure Statement Transmittal

The applicants respectfully request that the references listed on the attached PTO/SB/08A be considered in the examination of the above-identified application. A copy of each of these references, except for U.S. patents and patent application publications is enclosed. (See the notice, "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications Filed After June 30, 2003," Pre-OG Notices (July 11, 2003).)

The applicants reserve the right to establish that any of the references listed on the attached PTO/SB/08A are not prior art to the above-captioned application.

Since a first Office Action on the merits has not yet been received, the applicants assume that this Information Disclosure Statement should be considered under 37 C.F.R. §§ 1.97(b)(3). Accordingly, it is believed that no fee is due. If, however, an Office Action on the merits has been mailed before the filing date of this Information Disclosure Statement, the Office is authorized to charge any fee required to have the Information Disclosure Statement considered to the deposit account of Straub & Pokotylo, deposit account number 50-1049.

Respectfully submitted,

Dated: January 18, 2005

Michael P. Straub
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CERTIFICATE OF MAILING under 37 C.F.R. 1.8(a)

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Michael P. Straub
Michael P. Straub

36,941
Reg. No.

(modified PTO/SB/08A)

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U.S. Department of Commerce
Patent and Trademark Office

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheets as necessary)Application Number: 10/626,057
Filing Date: July 24, 2003
First Named Inventor: Tom RICHARDSON
Group Art Unit: 2819-2/29
Examiner Name: Not yet assigned

Sheet 1 of 2

Attorney Docket No.: Flarion-9APPCON (33)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines where relevant Passages or Figures appear
WS	BA	5,157,671	10-20-1992	KARPLUS	
WS	BB	5,271,042	12-14-1993	BORTH et al.	
WS	BC	5,293,489	03-08-1994	FURUI et al.	
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WS	BZ	6,731,700	05-04-2004	YAKHNICH et al.	
WS	CA	6,754,804	06-22-2004	HUDEPOHL et al.	

Examiner Initials*	Cite No. ¹	Foreign Patent Document Office ³ Number ⁴	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵

Examiner
Signature

/Wilbert L. Starks, Jr./

Date
Considered

09/29/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached kinds of U.S. Patent Documents. 3 Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16, if possible. 6 Applicant is to place a check mark here if English language translation is attached.

(modified PTO/SB/08A)

U.S. Department of Commerce Patent and Trademark Office		<i>Complete if Known</i>	
		Application Number: 10/626,057 Filing Date: July 24, 2003 First Named Inventor: Tom RICHARDSON Group Art Unit: 2819 2/29 Examiner Name: Not yet assigned	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Attorney Docket No.: Flarion-9APPCON (33)		
Sheet	2	of	2

OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume, issue number(s), publisher, country, where published, source	T ²
WS	DA	Saied Hemati, Amir H. Banihashemi, VLSI circuits: Iterative decoding in analog CMOS, Proceedings of the 13 th ACM Great Lakes Symposium on VLSI April 2003, Pages:15-20.	
WS	DB	Mohammad M. Mansour, Naresh R. Shanbhag, Session 11: Low-power VLSI decoder architectures for LDPC codes, Proceedings of the 2002 international symposium on Low power electronics and design August 2002, Pages: 284-289.	
WS	DC	W. W. Peterson and E.J. Weldon, Jr., "Error-Correcting Codes", Second Edition, The Massachusetts Institute of Technology, pp212-213,261-263, 263, (1986)	

Examiner Signature	/Wilbert L. Starks, Jr./	Date Considered	09/29/2006
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1 Unique citation designation number. 2 Applicant is to place a check mark here if English language translation is attached.

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Attorney Docket No.: Flarion-9APPCON (33)

Applicant: Tom Richardson

Serial No.: Not yet assigned

Filing Date: Herewith

Title: METHODS AND APPARATUS FOR DECODING LDPC CODES

Examiner: Not yet assigned

Group Art Unit: Not yet assigned

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

S I R:

Information Disclosure Statement Transmittal

The applicants respectfully request that the references listed on the attached PTO/SB/08A be considered in the examination of the above-identified application. A copy of each of these references is enclosed.

The applicants reserve the right to establish that any of the references listed on the attached PTO/SB/08A are not prior art to the above-captioned application.

U.S. Department of Commerce Patent and Trademark Office		<u>Complete if Known</u>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number: Not yet assigned Filing Date: Herewith First Named Inventor: T m RICHARDSON Group Art Unit: N t yet assigned 2/29 Examiner Name: N t yet assigned	
Sheet	1	of	2
		Attorney Docket No.: Flarion-9APPCON (33)	

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Examiner Signature	/Wilbert L. Starks, Jr./	Date Considered	09/29/2006
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1 Unique citation designation number. 2 See attached kinds of U.S. Patent Documents. 3 Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16, if possible. 6 Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		U.S. Department of Commerce Patent and Trademark Office		<i>Complete if Known</i>	
		Application Number: Not yet assigned Filing Date: Herewith First Named Inventor: Tom RICHARDSON Group Art Unit: Not yet assigned 2/29 Examiner Name: Not yet assigned			
Sheet	2	of	2	Attorney Docket No.: Flarion-9APPCON (33)	

OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume, issue number(s), publisher, country, where published, source			T ²
WS	AI	NN77112415. Digital Encoding of Wide Range Dynamic Analog Signals, IBM Tech. Disclosure Bulletin, November 1, 1997, VOL. No. 20; ISSUE No. 6; Pages 2415-2417, whole document			
WS	AJ	Sorokine, V. et al. Innovative coding scheme for spread-spectrum communications, The Ninth IEEE International Symposium on Indoor and Mobile Radio Communications, pages: 1491-1495, Vol. 3; September 1998, whole document.			
WS	AK	NN9210335. Hierarchical Coded Modulation of Data with Fast Decaying Probability Distributions, IBM Tech. Disclosure Bulletin, October 1992, VOL. No. 35; ISSUE No. 5; Pages 335-336, whole document.			
WS	AL	Paranchych et al. Performance of a digital symbol synchronizer in cochannel interference and noise, IEEE Transactions on Communications, pages: 1945-1954; Nov. 2000, whole document.			
WS	AM	T. Moors and M. Veeraraghavan, "Preliminary specification and explanation of Zing: An end-to-end protocol for transporting bulk data over optical circuits", pp. 1-55 (May 2001).			
WS	AN	T. Richardson and R. Urbanke, "The Capacity of Low-Density Parity-Check Codes under Message-Passing Decoding", pp. 1-44 (March 2001).			
WS	AO	T. Richardson, A. Shokrollahi, R. Urbanke, "Design of Capacity-Approaching Irregular Low-Density Parity-Check Codes", pp. 1-43 (March 2001).			
WS	AP	Richardson et al. The capacity of low-density parity-check codes under message-passing Decoding, IEEE Transactions on Information Theory; pages: 599-618, February 2001, (same inventor) whole document.			
WS	AQ	T. Richardson and R. Urbanke, "An Introduction to the Analysis of Iterative Coding Systems", pp. 1-36.			

Examiner Signature	/Wilbert L. Starks, Jr./	Date Considered	09/29/2006
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